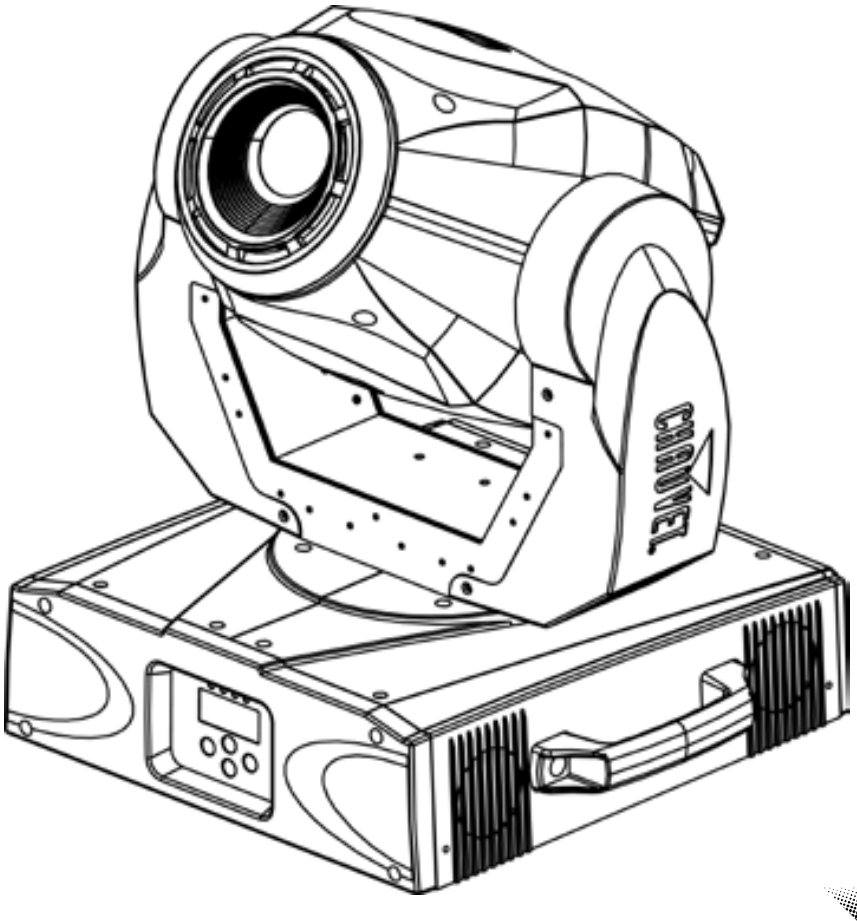
Legend™ 550 SPOT

User Manual



CHAUVET® PROFESSIONAL

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1. BEFORE YOU BEGIN

What is included

- Ø 1 x Legend™ 550 Spot
- Ø 2 x Omega brackets
- Ø 1 x Warranty Card
- Ø 1 x User Manual

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

AC Power

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch. Before applying power to a fixture, check that the source voltage matches the fixture's requirement. Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

Warning! ***Verify that the voltage taps on the transformer in the unit match the line voltage applied. Damage to your fixture may result if the line voltage applied does not match the voltage indicated on the voltage selector switch.***

All fixtures must be connected to circuits with a suitable earth ground.

Safety Instructions

Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product.

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source.
- Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate fixture at temperatures higher than this.
- In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Never connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to the light source while it is on.

Caution! ***There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact CHAUVET at: 954-929-1115.***

2. INTRODUCTION

Features

12 or 18-channel DMX moving yoke
Pan: 540° / tilt: 270°
Color wheel
Two independent color wheels with 9 trapezoid dichroic colors plus white
    Step/split colors
    Rainbow color spin at variable speeds
Fixed gobo wheel with gobo shake
    9 steel replaceable gobos plus open
Indexed, rotating gobo wheel with gobo shake
    7 glass, interchangeable, slot-n-lock gobos + open
    Gobo wheel spin at variable speeds
Frost on color wheel
3-facet rotating prism
Variable double bladed shutter
Variable iris
Variable focus
Variable dimmer (0 – 100%)
Move-in-black for pan/tilt, color, gobo
Remote fixture reset, lamp on/off and vector speed adjustments
Built-in movement macros with range adjustments

Additional Features

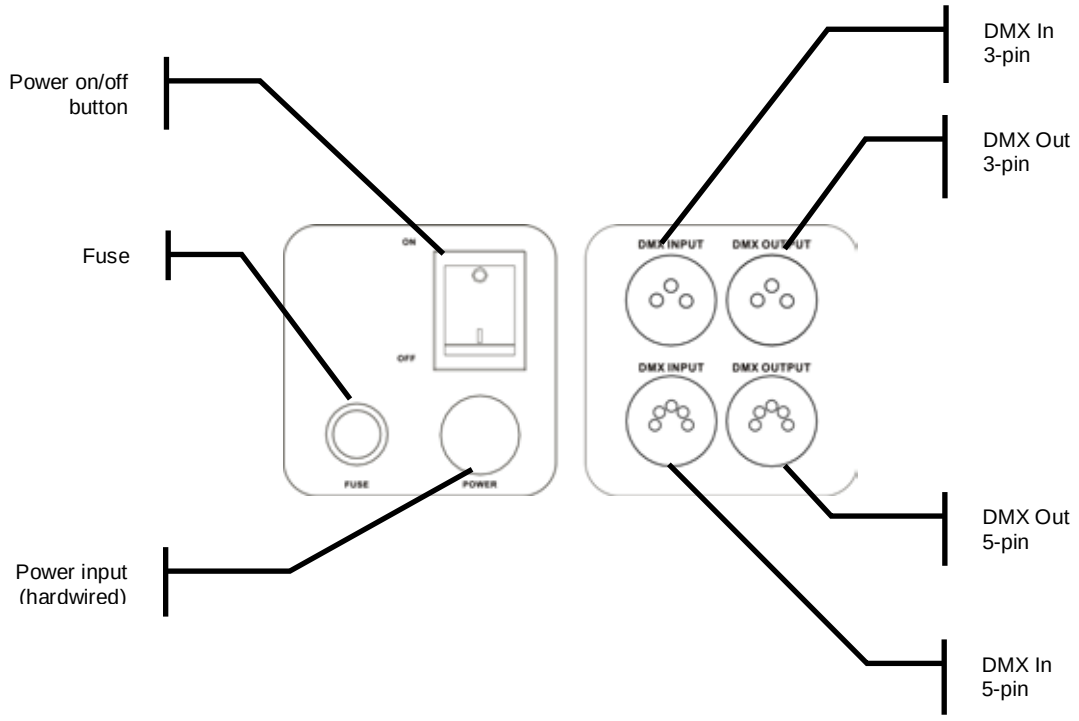
Automatic pan & tilt correction
FasTap™ for easy access to voltage re-tap

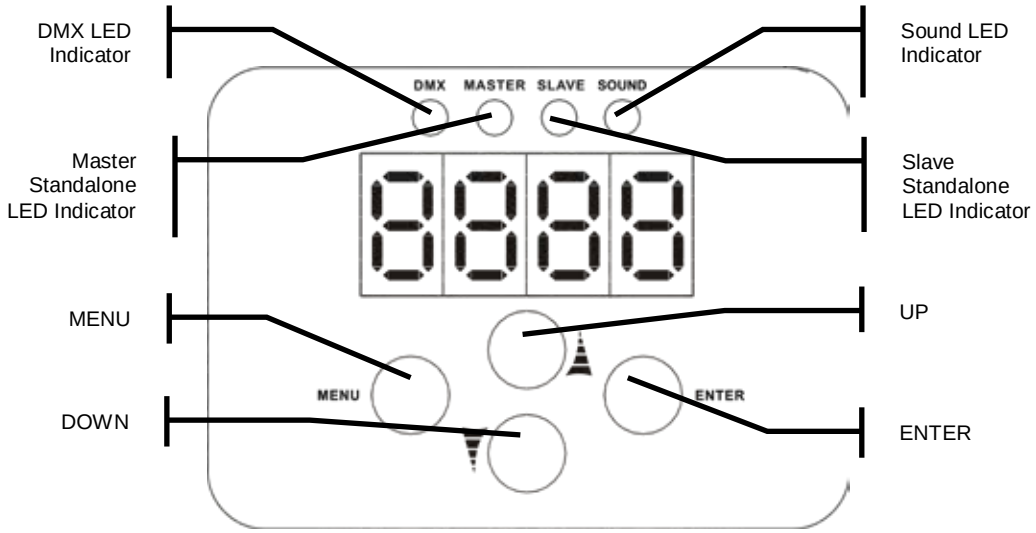
DMX Channel Summary

Channel	18-channel Operation (Advanced mode)
1	Pan
2	Pan fine
3	Tilt
4	Tilt fine
5	Pan/tilt speed
6	Dimmer
7	Shutter
8	Color 1
9	Color 2
10	Gobo 1
11	Gobo 2
12	Gobo 2 rotation
13	Focus
14	Iris
15	Prism
16	Preset Color
17	Movement Macro
18	Function

Channel	12-channel Operation (Basic mode)
1	Pan
2	Tilt
3	Dimmer
4	Shutter
5	Color 1
6	Color 2
7	Iris
8	Gobo 1
9	Gobo 2
10	Gobo 2 rotation
11	Focus
12	Prism

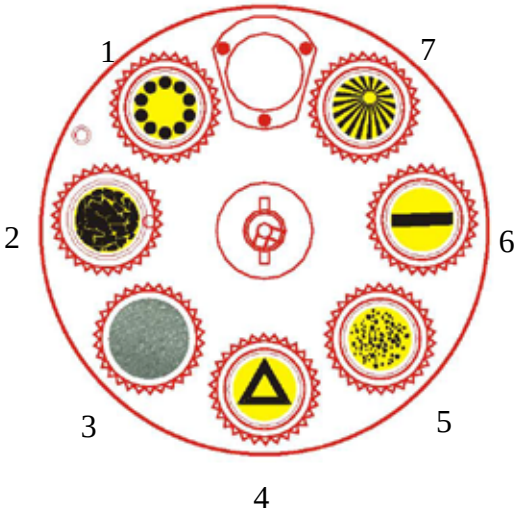
Product Overview



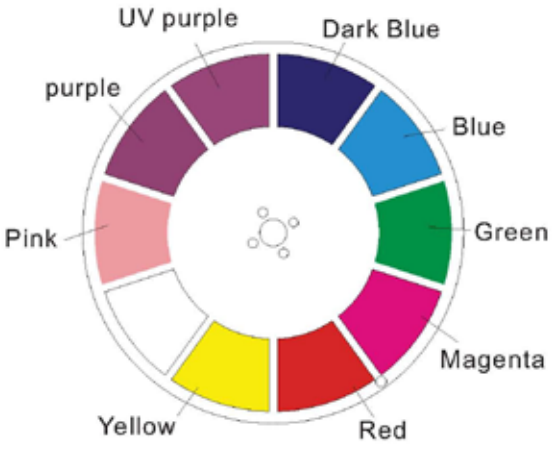


3. SETUP

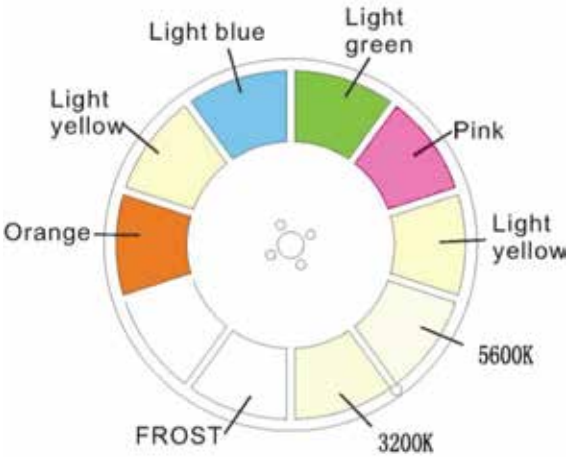
ROTATING GOBO WHEEL



FIXED GOBO WHEEL



LEGEND 550 SPOT COLOR WHEEL 1



LEGEND 550 SPOT COLOR WHEEL 2

Maximizing the life of your lamp

To ensure the longest and most efficient use of the lamp always wait between 10 to 15 minutes before re-applying power after a shutdown.

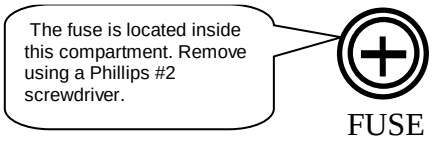
Failure to do so could result in premature aging of the lamp and failure to the electronics that drive it.

Never turn off the power to the unit while the lamp is striking. Always wait 15 minutes after powering on the fixture before powering down. Turning off the lamp during striking may permanently damage the lamp.

Fuse Replacement

Disconnect the power cord before replacing a fuse and always replace with the same type fuse.

With a Phillips #2 screwdriver, unscrew the fuse holder from its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Screw the fuse holder back in its place and reconnect power.

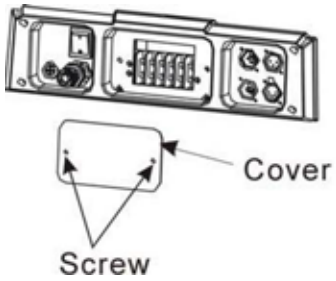


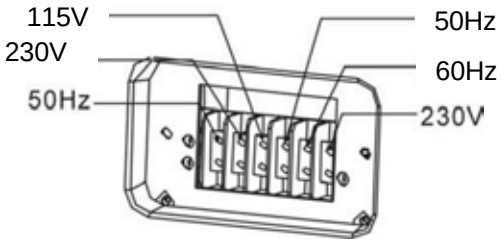
FasTap™ Voltage and Frequency adjustment

Warning! Remove power from mains prior to this operation

This fixture will operate with multiple voltage and frequency options. Depending on the power being supplied to the fixture, you may modify the connections on the terminal block. Please see the below instructions for modifying the settings.

1. Disconnect the fixture from the mains power.
2. Unscrew the 2 screws that hold the FasTap™ cover in place.
3. Unscrew the screw on the terminal block according to the desired voltage and frequency and retighten snugly as needed.
4. Re-install the FasTap™ cover back into place.





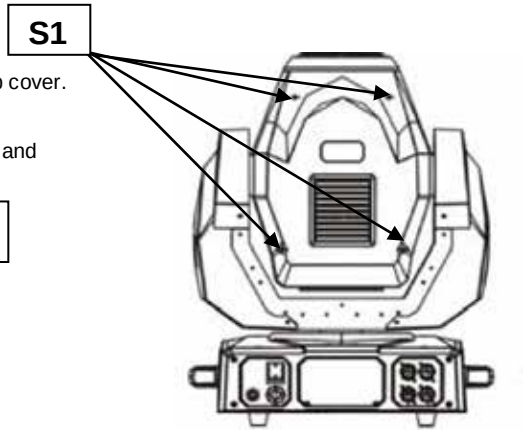
Lamp

You may have to install a lamp prior to the initial operation of the fixture. An MSI575 high intensity discharge lamp is included.

Warning! ***When replacing the lamp, please wait 15 minutes after powering down to allow the unit to cool down! Always disconnect from main power prior to lamp replacement.***

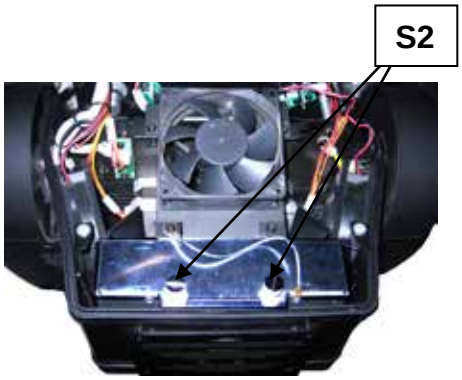
Do not touch the envelope (glass area) of the bulb with bare hands. If this happens, clean the lamp with alcohol and wipe it with a lint free cloth before installation.

Lamp Installation



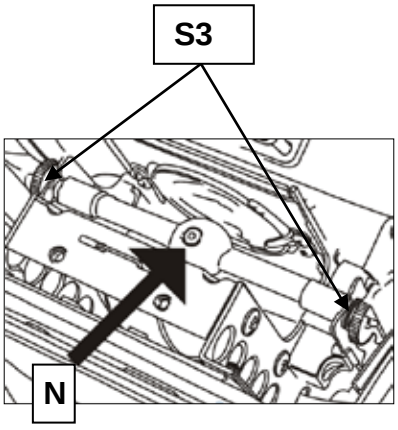
1. Unscrew the 4 screws (S1) to detach the top cover.

2. Unscrew screws (S2) to remove lamp cover and expose lamp compartment.



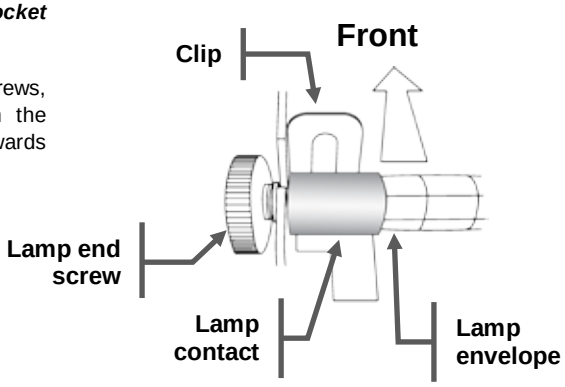
3. To remove the lamp, loosen both lamp end screws (S3) to relieve the pressure from the lamp socket slots. This way, you will be able to slide the lamp freely upwards and out of the lamp socket. Raise the lamp evenly to remove it.

4. To install a new lamp, loosen both screws on the double- ended lamp to allow the lamp to slide into the lamp socket slots. Lower the lamp evenly.



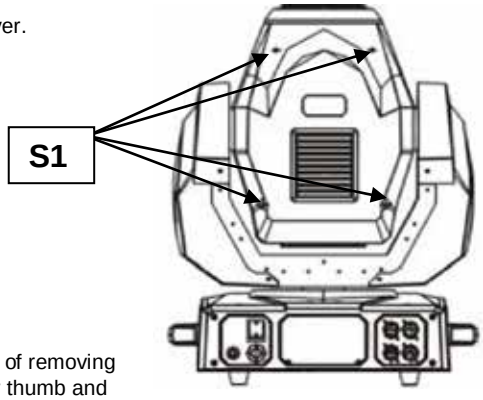
Warning! ***Make sure that the clips on the lamp socket are toward the front of the fixture.***

5. Before tightening the lamp end screws, rotate the bulb until the nipple on the envelope (N) of the bulb is facing upwards as illustrated.

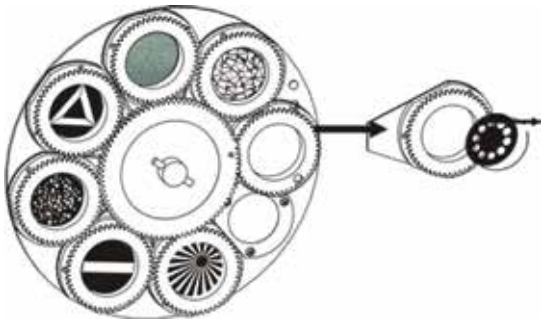


Replacing Gobos

1. Unscrew the 4 screws (S1) to detach the top cover.



2. For the rotating gobo wheel, it is a simple matter of removing the slot-n-lock gobo single assembly. Using your thumb and forefinger, grasp the gobo and remove it fro the gobo wheel.



3. Then, using a small prying tool, remove the gobo tension ring and remove from the gobo aperture.
4. Push the gobo with your finger from the back side following the same direction that the tension ring was removed.

Caution! ***Tension ring could pop out abruptly and fall inside the fixture. Please use caution when removing and if necessary use both hands.***

Note! ***Replacing the gobos on the static gobo wheel is achieved using the same method as the rotating gobo wheel. However, the gobo wheel is not slot-n-lock.***

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Important: ***Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 32 fixtures should be connected on one data link. Connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal.***

Maximum recommended serial data link distance: 500 m (1640 ft)
Maximum recommended number of fixtures on a serial data link: 32

Data Cabling

To link fixtures together you must obtain data cables. You can purchase CHAUVET certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DMX Data Cable

Use a Belden© 9841 or equivalent cable which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX data reliably over long distances. The cable must have the following characteristics:

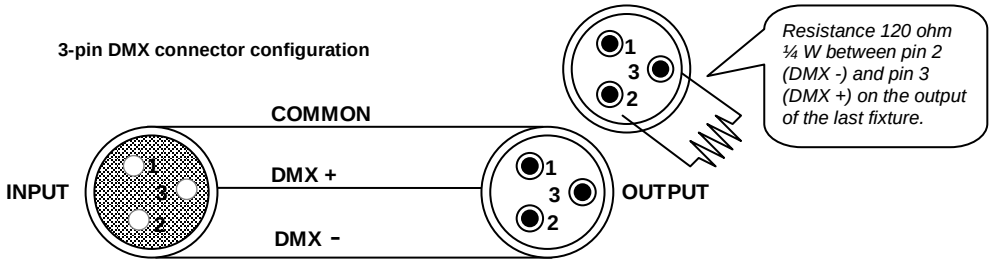
Type:	*shielded, 2-conductor twisted pair*
Maximum capacitance between conductors:	*30 pF/ft*
Maximum capacitance between conductor and shield:	*55 pF/ft*
Maximum resistance:	*20 ohms/1000 ft*
Nominal impedance:	*100 ~ 140 ohms*

Cable Connectors

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

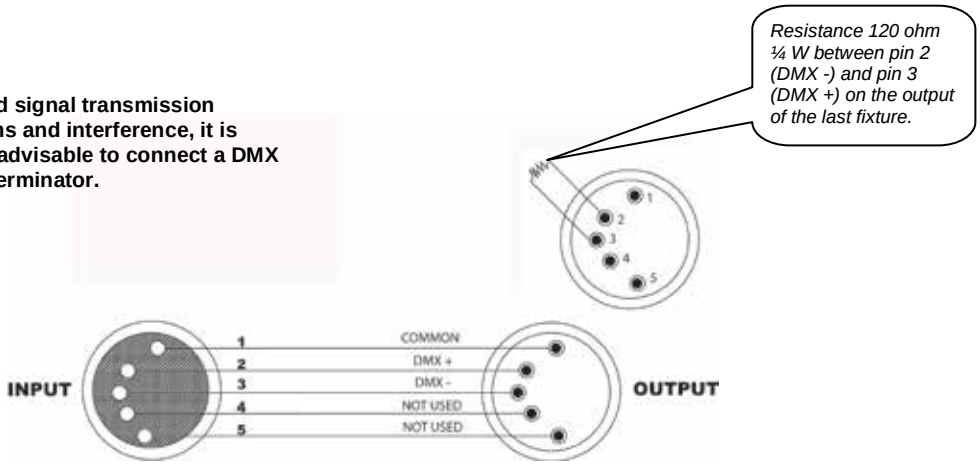
Caution! ***Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohmmeter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.***

3-pin DMX connector configuration



5-pin DMX connector configuration

To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.


Resistance 120 ohm ¼ W between pin 2 (DMX -) and pin 3 (DMX +) on the output of the last fixture.
INPUT
1 COMMON
2 DMX +
3 DMX –
4 NOT USED
5 NOT USED
OUTPUT

3-Pin to 5-Pin Conversion Chart

Note! ***If you use a controller with a 5-pin DMX output connector, you will need to use a 5-pin to 3-pin adapter. CHAUVET Model No: DMX5M, or DMX5F.The chart below details a proper cable conversion:***

3-PIN TO 5-PIN CONVERSION CHART

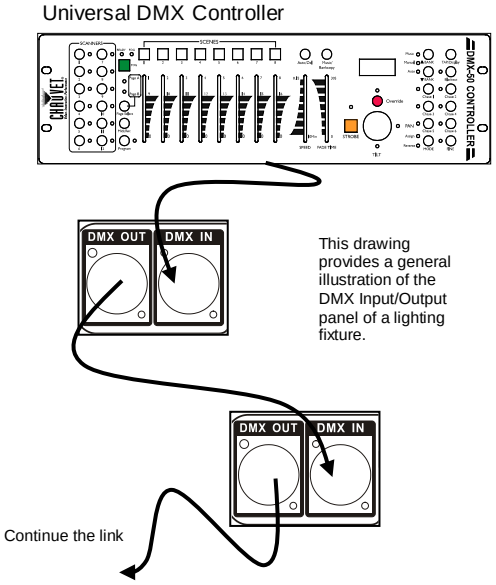
Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Not used		Pin 4
Not used		Pin 5

Setting up a DMX Serial Data Link

1. Connect the (male) 3 or 5-pin connector side of the DMX cable to the output (female) 3 or 5-pin connector of the controller.
2. Connect the end of the cable coming from the controller which will have a (female) 3- or 5-pin connector to the input connector of the next fixture consisting of a (male) 3 or 5-pin connector.
3. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

CHAUVET Certified DMX Data Cables

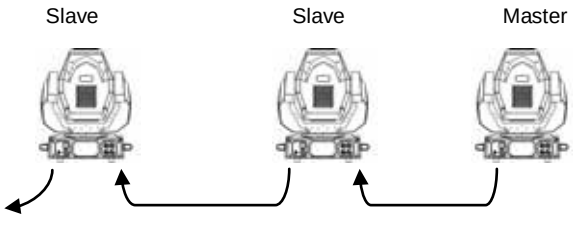
Order Code	Description
DMX1.5	DMX Cable 1.5 m/4.9 ft
DMX4.5	DMX Cable 4.5 m/14.8 ft
DMX10	DMX Cable 10 m/32.8 ft



Master/Slave Fixture Linking

1. Connect the (male) 3 or 5-pin connector side of the DMX cable to the output (female) 3 or 5-pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 3 or 5-pin connector to the input connector of the next fixture consisting of a (male) 3 or 5-pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

Often, the setup for Master-Slave and Standalone operation requires that the first fixture in the chain be initialized for this purpose via settings in the control panel. Secondarily, the fixtures that follow may also require a slave setting. Please consult the “Operating Instructions” section in this manual for complete instructions for this type of setup and configuration.



Mounting

Orientation

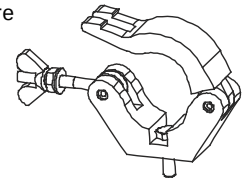
This fixture may be mounted in a vertical position. This can be a hanging or a sitting position, provided there is adequate room for ventilation.

Note! ***It is <u>not</u> recommended to mount this fixture at any other odd angle, other than standard hanging or sitting position. Failure to comply with this may cause damage <u>not</u> covered under the warranty.***

Rigging

Hanging Clamp

It is important never to obstruct the fan or vents pathway. Mount the fixture using, a suitable “O” type clamp. Adjust the angle of the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.



Note!
Clamp is sold separately.

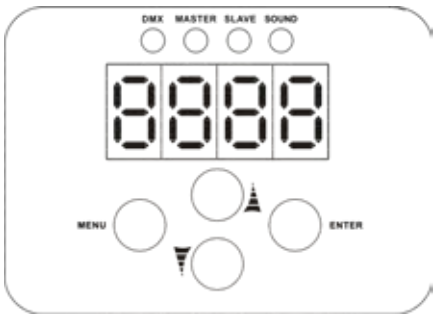
- When selecting installation location, take into consideration lamp replacement access and routine maintenance.
- Safety cables must always be used.
- Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

4. OPERATING INSTRUCTIONS

Navigating the Control Panel

Access control panel functions using the four panel buttons located directly underneath the LED Display.

Button	Function
<MENU>	Used to access the menu or to return to a previous menu option
<UP>	Scrolls through menu options in ascending order
<DOWN>	Scrolls through menu options in descending order
<ENTER>	Used to select and store the current menu or option within a menu



The control panel LED display shows the menu items you select from the menu map. When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press **<ENTER>**.

Use the **<UP>** and **<DOWN>** buttons to navigate the menu map and menu options. Press the **<ENTER>** button to access the menu function currently displayed or to enable a menu option. To return to the previous option or menu without changing the value, press the **<MENU>** button.

Note! ***After each setting change in the control panel, you must perform a system reset, in order for the changes to take effect.***

Menu Map

MAIN FUNCTION	SELECTION	INSTRUCTION
Addr	001 - 512	DMX starting address assignment
ChNd	12Ch	8-bit operating mode
	18Ch	16-bit operating mode
ShNd	Sh 1	Tilt movement @ 210°
	Sh 2	Tilt movement @ 90°
	Sh 3	Speaker standing mode-pan movement @ 160° (left-to-right), tilt movement @ 90° (60° above horizon, 30° below horizon
	Sh 4	Hanging mode- pan movement @ 160°, tilt movement @ 90° (vertically, front 75°, back 15°)
SLNd	SL 1	Slave mode “Normal”
	SL 2	Slave mode 2. Used to create contrast between other fixtures.
SOUn	on	Sound mode on
	oFF	Sound mode off
bLNd	no	Blackout mode “Yes”
	YES	Blackout mode “No”
1Pan	no	Pan normal
	1	Pan inversion
1tLt	no	Tilt normal
	1	Tilt inversion
LEd	on	Display on (always on)
	oFF	Display off (turns off when no activity)
1dSP	1dSP	Display normal
	dSP1	Display inversion
FAd1		Gobo1 focus adjust 1-tilt(135°/45°), pan(90°/180°/270°)
FAd2		Gobo2 focus adjust 2-tilt(135°/45°), pan(90°/180°/270°)
tESt		Self test
tENp		Ambient temperature of the lamp
FhrS		Fixture operation hours
LANP	on	Lamp on
	oFF	Lamp off
LPNd	Poon	Lamp Mode on (on when powering fixture)
	PooF	Lamp Mode off (off when powering the fixture)
uEr		Software version
rSEt		Fixture reset

Note! ***After each setting change in the control panel, you must perform a system reset, in order for the changes to take effect.***

Menu Map (Home position adjustments)

This is a hidden menu in the fixture. If the home position of one of the motors becomes misaligned, you can use this menu to realign/offset the function. See the below steps for accessing this function.

1. Scroll through the menu, until you reach the FAdJ mode.
2. Press and hold the <**ENTER**> button for 5 seconds.
3. Scroll to the desired attribute.
4. Press <**ENTER**>.
5. Use <**UP**> and <**DOWN**> to adjust the home position.
6. Once the position has been selected, press <**ENTER**>.

Note! ***The "home position" is the location that the fixture finds during the reset(home) process.***

MAIN FUNCTION	INSTRUCTION
oPan	Pan offset
otIL	Tilt offset
odIN	Dimmer offset
oCo1	Color 1 offset
oCo2	Color 2 offset
oGo1	Gobo 1 offset
oGo2	Gobo 2 offset
orGo	R-Gobo offset
oPr1	Prism offset
oIrI	Iris offset
oFoc	Focus offset

DMX Channel Values

12 channel mode (8-bit Pan/Tilt)

CHANNEL	VALUE	FUNCTION
1		**Pan**
	000 ó 255	0 ó 540
2		**Tilt**
	000 ó 255	0 ó 270
3		**Dimmer**
	000 ó 255	0% ó 100%
4		**Shutter**
	000 ó 007	Closed
	008 ó 015	Open
	016 ó 131	Strobe (slow ó fast)
	132 ó 185	Gobo shake 1 (slow ó fast)
	186 ó 239	Gobo shake 2 (slow ó fast)
	240 ó 247	Random Strobe
	248 ó 255	Open
5		**Color 1**
	000 ó 006	Open (white)
	007 ó 012	Pink
	013 ó 018	Purple
	019 ó 025	UV
	026 ó 031	Dark Blue
	032 ó 037	Blue
	038 ó 044	Green
	045 ó 050	Magenta
	051 ó 056	Red
	057 ó 063	Yellow
	064 ó 127	Split Colors
	128 ó 191	Rotate clockwise (fast ó slow)
	192 ó 255	Rotate counterclockwise (slow ó fast)
6		**Color 2**
	000 ó 006	Open (white)
	007 ó 012	Orange
	013 ó 018	Light Yellow
	019 ó 025	Light Blue
	026 ó 031	Light Green
	032 ó 037	Pink
	038 ó 044	Light Yellow
	045 ó 050	5600 K
	051 ó 056	3200 K
	057 ó 063	Frost
	064 ó 127	Split Colors
	128 ó 191	Rotate clockwise (fast ó slow)
	192 ó 255	Rotate counterclockwise (slow ó fast)
7		**Iris**
	000 ó 127	100% ó 0%
	128 ó 170	Iris Macro (slow closed ó fast open) (slow ó fast)
	171 ó 212	Iris Macro (fast closed ó slow open) (slow ó fast)
	213 ó 255	Iris Macro (slow open ó slow closed) (slow ó fast)
8		**Gobo 1**
	000 ó 012	Open (white)
	013 ó 025	Gobo 1
	026 ó 038	Gobo 2
	039 ó 050	Gobo 3
	051 ó 063	Gobo 4
	064 ó 076	Gobo 5
	077 ó 088	Gobo 6
	089 ó 101	Gobo 7
	102 ó 114	Gobo 8
	115 ó 127	Gobo 9
	128 ó 191	Rotate clockwise (fast ó slow)
	192 ó 255	Rotate counterclockwise (slow ó fast)
9		**Gobo 2**
	000 ó 015	Open (white)
	016 ó 031	Gobo 1
	032 ó 047	Gobo 2
	048 ó 063	Gobo 3
	064 ó 079	Gobo 4
	080 ó 095	Gobo 5
	096 ó 111	Gobo 6

…continued

	112 ó 127 128 ó 191 192 ó 255	Gobo 7 Rotate counterclockwise (fast ó slow) Rotate clockwise (slow ó fast)
10	 000 ó 127 128 ó 191 192 ó 255	**Gobo 2 Rotation** Gobo indexing Rotate clockwise (fast ó slow) Rotate counterclockwise (slow ó fast)
11	 000 ó 255	**Focus** Near ó far
12	 000 ó 007 008 ó 015 016 ó 135 136 ó 255	**Prism** No prism Prism-static Prism-rotate counterclockwise (fast ó slow) Prism-rotate clockwise (slow ó fast)

18 channel mode (16-bit Pan/Tilt)

CHANNEL	VALUE	FUNCTION
1	000 ó 255	**Pan** 0 ó 540
2	000 ó 255	**Pan fine**
3	000 ó 255	**Tilt** 0 ó 270
4	000 ó 255	**Tilt fine**
5	000 ó 255	**Pan/Tilt speed** (Normal > Slow)
6	000 ó 255	**Dimmer** 0% ó 100%
7	000 ó 007 008 ó 015 016 ó 131 132 ó 185 186 ó 239 240 ó 247 248 ó 255	**Shutter** Closed Open Strobe (slow ó fast) Gobo shake 1 (slow ó fast) Gobo shake 2 (slow ó fast) Random Strobe Open
8	000 ó 006 007 ó 012 013 ó 018 019 ó 025 026 ó 031 032 ó 037 038 ó 044 045 ó 050 051 ó 056 057 ó 063 064 ó 127 128 ó 191 192 ó 255	**Color 1** Open (white) Pink Purple UV Dark Blue Blue Green Magenta Red Yellow Split Colors Rotate clockwise (fast ó slow) Rotate counterclockwise (slow ó fast)
9	000 ó 006 007 ó 012 013 ó 018 019 ó 025 026 ó 031 032 ó 037 038 ó 044 045 ó 050 051 ó 056 057 ó 063 064 ó 127 128 ó 191 192 ó 255	**Color 2** Open (white) Orange Light Yellow Light Blue Light Green Pink Light Yellow 5600 K 3200 K Frost Split Colors Rotate clockwise (fast ó slow) Rotate counterclockwise (slow ó fast)
10	000 ó 012 013 ó 025 026 ó 038 039 ó 050 051 ó 063 064 ó 076 077 ó 088 089 ó 101 102 ó 114 115 ó 127 128 ó 191 192 ó 255	**Gobo 1** Open (white) Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Rotate clockwise (fast ó slow) Rotate counterclockwise (slow ó fast)
11	000 ó 015 016 ó 031 032 ó 047 048 ó 063 064 ó 079 080 ó 095 096 ó 111 112 ó 127 128 ó 191 192 ó 255	**Gobo 2** Open (white) Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Rotate clockwise (fast ó slow) Rotate counterclockwise (slow ó fast)

…continued

12		**Gobo 2 Rotation**
	000 ó 127	Gobo indexing
	128 ó 191	Rotate clockwise (fast ó slow)
	192 ó 255	Rotate counterclockwise (slow ó fast)
13		**Focus**
	000 ó 255	Near ó far
14		**Iris**
	000 ó 127	100% ó 0%
	128 ó 170	Iris Macro (slow closed ó fast open) (slow ó fast)
	171 ó 212	Iris Macro (fast closed ó slow open) (slow ó fast)
	213 ó 255	Iris Macro (slow open ó slow closed) (slow ó fast)
15		**Prism**
	000 ó 007	No prism
	008 ó 015	Prism-static
	016 ó 135	Prism-rotate counterclockwise (fast ó slow)
	136 ó 255	Prism-rotate clockwise (slow ó fast)
16		**Preset Color**
	000 ó 007	Open (white)
	008 ó 049	Color 1
	050 ó 091	Color 2
	092 ó 133	Color 3
	134 ó 175	Color 4
	176 ó 217	Color 5
	218 ó 255	Color 6
17		**Movement Macro**
	000 ó 063	No Macro
	064 ó 071	Macro 1
	072 ó 079	Macro 2
	080 ó 087	Macro 3
	088 ó 095	Macro 4
	096 ó 103	Macro 5
	104 ó 111	Macro 6
	112 ó 119	Macro 7
	120 ó 127	Macro 8
	128 ó 135	Macro 9
	136 ó 143	Macro 10
	144 ó 151	Macro 11
	152 ó 159	Macro 12
	160 ó 167	Macro 13
	168 ó 175	Macro 14
	176 ó 183	Macro 15
	184 ó 191	Macro 16
	192 ó 199	Macro 17
	200 ó 207	Macro 18
	208 ó 215	Macro 19
	216 ó 223	Macro 20
	224 ó 231	Macro 21
	232 ó 239	Macro 22
	240 ó 247	Macro 23
	248 ó 255	Macro 24
18		**Control**
	000 ó 069	No function
	070 ó 079	Pan/tilt move-in-black enable
	080 ó 089	Pan/tilt move-in-black disable
	090 ó 099	Color move-in-black enable
	100 ó 109	Color move-in-black disable
	110 ó 119	Gobo move-in-black enable
	120 ó 129	Gobo move-in-black disable
	130 ó 139	Lamp On
	140 ó 199	No function
	200 ó 209	Reset
	210 ó 229	No function
	230 ó 239	Lamp Off
	240 ó 255	No function

Setting the DMX starting address

This DMX mode enables the use of a universal DMX controller device. Each fixture requires a "start address" from 1 ~ 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that uses 6 DMX channels and was addressed to start on DMX channel 100, would read data from channels: 100, 101, 102, 103, 104, and 105. Choose start addresses so that the channels used do not overlap, and note the start address selected for future reference.

If this is your first time addressing a fixture using the DMX control protocol, we suggest jumping to the “Appendix” section and reading the heading “DMX Primer”. It contains very useful information that will help you understand its use.

Legend™ 550 Troubleshooting

Symptom	Solution(s)
Auto shut off	Check fan thermal switch reset
Beam is very dim or not bright	Clean optical system or replace lamp Check voltage switch for proper setting
Breaker/Fuse keeps blowing	Check total load placed on device
Device has no power	Check for power on Mains. Check device’s fuse. (internal and/or external)
Fixture is not responding	Check Display settings for correct addressing Check DMX cables
Lamps cuts off sporadically	Possible bad lamp or fixture is overheating. Lamp may be at end of its life.
Light will not come on after power failure	Discharge lamps require a cooling off period before the electronics in the fixture can kick start it again, wait 5 ~ 10 minutes before powering up.
Loss of signal	Use only DMX cables Install terminator Note: Keep DMX cables separated from power cables or black lights.
Moves slowly	Check FasTap™
No light output	Check lamp
Stand alone mode	This fixture features stand-alone functions. See “Menu Map” for details.

If you still have a problem after trying the above solutions, please contact CHAUVET Technical Support at the location listed below.

Technical Support

Address: Service Dept.
5200 NW 108th Avenue Sunrise, FL 33351 (U.S.A.)
Support (Email): tech@chauvetlighting.com
Telephone: (954) 929-1115 - (Press 4)
Fax: (954) 929-5560 - (Attention: Service)
Website: http://www.chauvetlighting.com

Contact Us

World Wide

General Information CHAUVET
5200 NW 108th Avenue
Sunrise, FL 33351
voice: 954.929.1115
fax: 954.929.5560
toll free: 800.762.1084

Technical Support CHAUVET
5200 NW 108th Avenue
Sunrise, FL 33351
voice: 954.929.1115 **(Press 4)**
fax: 954.929.5560 **(Attention: Service)**

World Wide Web www.chauvetlighting.com

5. APPENDIX

DMX Primer

There are 512 channels in a DMX connection. Channels may be assigned in any manner. A fixture capable of receiving DMX will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance. Channels should never overlap. If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and all respond exactly the same.

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-) and pin 3 is Data positive (S+). CHAUVET carries 3-pin XLR DMX compliant cables, DMX-10 (33'), DMX-4.5 (15') and DMX-1.5 (5')

General Maintenance

To maintain optimum performance and minimize wear fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Do not let the fans free spool with an air compressor. Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Returns Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Merchandise Authorization Number (RMA #). Products returned without an RMA # will be refused. Call CHAUVET and request RMA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. CHAUVET reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA #, please include the following information on a piece of paper inside the box:

1) Your name
2) Your address
3) Your phone number
4) The RMA #
5) A brief description of the symptoms

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

Technical Specifications

WEIGHT & DIMENSIONS

Length	17 in (439 mm)
Width	17 in (431 mm)
Height	21 in (539 mm)
Weight	72.15 lbs (32.8 kg)

POWER

FasTap™ user-selectable	100/115/208/230 VAC, 50/60 Hz
Fuse	F 15 A, 250 V 6 x 30 mm
Power Consumption max @ 120 V, 60 Hz	960 W, 8 A
Inrush Current @ 120 V, 60 Hz	8.9 A
Power Factor @ 120 V, 60 Hz	0.71
Power Consumption max @ 230 V, 50 Hz	943 W, 4.1 A
Inrush Current @ 230 V, 50 Hz	4.5 A
Power Factor @ 230 V, 50 Hz	0.75

LIGHT SOURCE

Lamp	Philips® MSI 575W or GE CSR 575 DE, 1,000 hrs

PHOTO OPTIC

Luminance @ 2 m	17,527 lux
Beam Angle	17°

RANGE

Pan	540°
Tilt	270°

GOBOS

Outside diameter	37.3 mm
Image diameter (maximum)	30 mm
Max thickness (Static gobo wheel)	1 mm
Max thickness (Rotating gobo wheel)	2.57 mm

THERMAL

Maximum ambient temperature	104° F (40° C)
Cooling	Fan cooled

CONTROL & PROGRAMMING

Data input (3-pin)	locking 3-pin XLR male socket
Data output (3-pin)	locking 3-pin XLR female socket
Data pin configuration (3-pin)	pin 1 shield, pin 2 (-), pin 3 (+)
Data input (5-pin)	locking 5-pin XLR male socket
Data output (5-pin)	locking 5-pin XLR female socket
Data pin configuration (5-pin)	pin 1 shield, pin 2 (-), pin 3 (+), pin 4+5 (not used)
Protocols	USITT DMX512-A
DMX Channels	User configurable: 12, 18

ORDERING INFORMATION

Legend™ 550 Spot	LEGEND550SPOT

WARRANTY INFORMATION

Warranty	2-year limited warranty

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